Rolf Halden

List of Publications by Year
in descending order

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216 papers	13,700 citations	19657 61 h-index	24258 110 g-index
225 all docs	225 docs citations	225 times ranked	15844 citing authors

#	Article	IF	Citations
1	Methods and challenges in the detection of microplastics and nanoplastics: a miniâ€review. Polymer International, 2022, 71, 543-551.	3.1	43
2	Comparison of sorption models to predict analyte loss during sample filtration and evaluation of the impact of filtration on data quality. Science of the Total Environment, 2022, 817, 152624.	8.0	2
3	Systematic and state-of the science review of the role of environmental factors in Amyotrophic Lateral Sclerosis (ALS) or Lou Gehrig's Disease. Science of the Total Environment, 2022, 817, 152504.	8.0	25
4	Comparative meta-analysis of organic contaminants in sewage sludge from the United States and China. Science of the Total Environment, 2022, 821, 153423.	8.0	16
5	Comparison of high-frequency in-pipe SARS-CoV-2 wastewater-based surveillance to concurrent COVID-19 random clinical testing on a public U.S. university campus. Science of the Total Environment, 2022, 820, 152877.	8.0	29
6	Impact of Disaster Research on the Development of Early Career Researchers: Lessons Learned from the Wastewater Monitoring Pandemic Response Efforts. Environmental Science & Technology, 2022, 56, 4724-4727.	10.0	1
7	Opportunities and limits of wastewater-based epidemiology for tracking global health and attainment of UN sustainable development goals. Environment International, 2022, 163, 107217.	10.0	41
8	Implementing wastewater monitoring on American Indian reservations to assess community health indicators. Science of the Total Environment, 2022, 823, 153882.	8.0	7
9	A Taste for New Psychoactive Substances: Wastewater Analysis Study of 10 Countries. Environmental Science and Technology Letters, 2022, 9, 57-63.	8.7	27
10	Detection of human, porcine and canine picornaviruses in municipal sewage sludge using pan-enterovirus amplicon-based long-read Illumina sequencing. Emerging Microbes and Infections, 2022, 11, 1339-1342.	6.5	5
11	A framework for wastewater sample collection from a sewage cleanout to inform building-scale wastewater-based epidemiology studies. Science of the Total Environment, 2022, 836, 155576.	8.0	9
12	Assessing population-level stress through glucocorticoid hormone monitoring in wastewater. Science of the Total Environment, 2022, 838, 155961.	8.0	10
13	Extensive Wastewater-Based Epidemiology as a Resourceful Tool for SARS-CoV-2 Surveillance in a Low-to-Middle-Income Country through a Successful Collaborative Quest: WBE, Mobility, and Clinical Tests. Water (Switzerland), 2022, 14, 1842.	2.7	10
14	Towards a novel application of wastewater-based epidemiology in population-wide assessment of exposure to volatile organic compounds. Science of the Total Environment, 2022, 845, 157008.	8.0	2
15	Standardizing data reporting in the research community to enhance the utility of open data for SARS-CoV-2 wastewater surveillance. Environmental Science: Water Research and Technology, 2021, 7, 1545-1551.	2.4	34
16	Evaluating the effect of spaceflight on the hostâ€“pathogen interaction between human intestinal epithelial cells and Salmonella Typhimurium. Npj Microgravity, 2021, 7, 9.	3.7	10
17	Decline and Pronounced Regional Disparities in Medical Cocaine Usage in the United States. Journal of Pharmacy Technology, 2021, 37, 875512252110355.	1.0	1
18	Use of hemagglutinin and neuraminidase amplicon-based high-throughput sequencing with variant analysis to detect co-infection and resolve identical consensus sequences of seasonal influenza in a university setting. BMC Infectious Diseases, 2021, 21, 810.	2.9	2

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19	High-throughput sequencing of SARS-CoV-2 in wastewater provides insights into circulating variants. Water Research, 2021, 205, 117710.	11.3	93
20	Time: A Key Driver of Uncertainty When Assessing the Risk of Environmental Plastics to Human Health. Environmental Science & Technology, 2021, 55, 12766-12769.	10.0	4
21	Wastewater Monitoring Raises Privacy and Ethical Considerations. IEEE Transactions on Technology and Society, 2021, 2, 116-121.	3.2	17
22	Wastewater-Based Epidemiology and Long-Read Sequencing to Identify Enterovirus Circulation in Three Municipalities in Maricopa County, Arizona, Southwest United States between June and October 2020. Viruses, 2021, 13, 1803.	3.3	13
23	Pan-Enterovirus Amplicon-Based High-Throughput Sequencing Detects the Complete Capsid of a EVA71 Genotype C1 Variant via Wastewater-Based Epidemiology in Arizona. Viruses, 2021, 13, 74.	3.3	10
24	Municipal sewage sludge as a source of microplastics in the environment. Current Opinion in Environmental Science and Health, 2020, 14, 16-22.	4.1	146
25	Using national sewage sludge data for chemical ranking and prioritization. Current Opinion in Environmental Science and Health, 2020, 14, 10-15.	4.1	4
26	Moving toward a waste-free circular economy by example of biosolids. Current Opinion in Environmental Science and Health, 2020, 14, A1-A3.	4.1	3
27	Nationwide Mass Inventory and Degradation Assessment of Plastic Contact Lenses in US Wastewater. Environmental Science & Technology, 2020, 54, 12102-12108.	10.0	13
28	An 81-Nucleotide Deletion in SARS-CoV-2 ORF7a Identified from Sentinel Surveillance in Arizona (January to March 2020). Journal of Virology, 2020, 94, .	3.4	121
29	Simulated 2017 nationwide sampling at 13,940 major U.S. sewage treatment plants to assess seasonal population bias in wastewater-based epidemiology. Science of the Total Environment, 2020, 727, 138406.	8.0	16
30	Do food and stress biomarkers work for wastewater-based epidemiology? A critical evaluation. Science of the Total Environment, 2020, 736, 139654.	8.0	24
31	Coding-Complete Genome Sequence of a Human Respirovirus 1 Strain from a Clinical Sample in Arizona. Microbiology Resource Announcements, 2020, 9, .	0.6	0
32	Modeling wastewater temperature and attenuation of sewage-borne biomarkers globally. Water Research, 2020, 172, 115473.	11.3	51
33	Ecological and health issues of plastic waste. , 2020, , 513-527.		23
34	Alcohol, nicotine, and caffeine consumption on a public U.S. university campus determined by wastewater-based epidemiology. Science of the Total Environment, 2020, 727, 138492.	8.0	45
35	Computational analysis of SARS-CoV-2/COVID-19 surveillance by wastewater-based epidemiology locally and globally: Feasibility, economy, opportunities and challenges. Science of the Total Environment, 2020, 730, 138875.	8.0	431
36	High-throughput multi-residue quantification of contaminants of emerging concern in wastewaters enabled using direct injection liquid chromatography-tandem mass spectrometry. Journal of Hazardous Materials, 2020, 398, 122933.	12.4	56

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37	Chemical and physical changes of microplastics during sterilization by chlorination. Water Research, 2019, 163, 114871.	11.3	110
38	Assessing the Potential To Monitor Plant-Based Diet Trends in Communities Using a Wastewater-Based Epidemiology Approach. ACS Symposium Series, 2019, , 187-198.	0.5	5
39	Breast Cancer and Dietary Intake of Endocrine Disruptors: a Review of Recent Literature. Current Pathobiology Reports, 2019, 7, 41-46.	3.4	7
40	Polyethylene Terephthalate and Polycarbonate Microplastics in Sewage Sludge Collected from the United States. Environmental Science and Technology Letters, 2019, 6, 650-655.	8.7	76
41	On the need to integrate uncertainty into U.S. water resource planning. Science of the Total Environment, 2019, 691, 1262-1270.	8.0	14
42	The vertical distribution and biological transport of marine microplastics across the epipelagic and mesopelagic water column. Scientific Reports, 2019, 9, 7843.	3.3	325
43	Long-term tracking of opioid consumption in two United States cities using wastewater-based epidemiology approach. Water Research, 2019, 161, 171-180.	11.3	52
44	Theoretical evaluation of using wastewater-based epidemiology to assess the nutritional status of human populations. Current Opinion in Environmental Science and Health, 2019, 9, 58-63.	4.1	10
45	Retrospective nationwide occurrence of fipronil and its degradates in U.S. wastewater and sewage sludge from 2001 - 2016. Water Research, 2019, 155, 465-473.	11.3	45
46	Autonomous screening of groundwater remediation technologies in the subsurface using the In Situ Microcosm Array (ISMA). Journal of Hazardous Materials, 2019, 367, 668-675.	12.4	2
47	Nationwide reconnaissance of five parabens, triclosan, triclocarban and its transformation products in sewage sludge from China. Journal of Hazardous Materials, 2019, 365, 502-510.	12.4	77
48	A nationwide survey of the occurrence of melamine and its derivatives in archived sewage sludge from the United States. Environmental Pollution, 2019, 245, 994-999.	7.5	27
49	A nationwide survey of 31 organophosphate esters in sewage sludge from the United States. Science of the Total Environment, 2019, 655, 446-453.	8.0	67
50	Alcohol and nicotine consumption trends in three U.S. communities determined by wastewater-based epidemiology. Science of the Total Environment, 2019, 656, 174-183.	8.0	60
51	Assessment of Persistent, Bioaccumulative and Toxic Organic Environmental Pollutants in Liver and Adipose Tissue of Alzheimerâ€™s Disease Patients and Age-matched Controls. Current Alzheimer Research, 2019, 16, 1039-1049.	1.4	9
52	Tracking harmful chemicals and pathogens using the Human Health Observatory at ASU. Online Journal of Public Health Informatics, 2019, 11, .	0.7	7
53	Activated carbon as a means of limiting bioaccumulation of organochlorine pesticides, triclosan, triclocarban, and fipronil from sediments rich in organic matter. Chemosphere, 2018, 197, 627-633.	8.2	9
54	Antimicrobial Chemicals Associate with Microbial Function and Antibiotic Resistance Indoors. MSystems, 2018, 3, .	3.8	63

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55	Assessment of human exposure to triclocarban, triclosan and five parabens in U.S. indoor dust using dispersive solid phase extraction followed by liquid chromatography tandem mass spectrometry. Journal of Hazardous Materials, 2018, 360, 623-630.	12.4	79
56	U.S. nationwide reconnaissance of ten infrequently monitored antibiotics in municipal biosolids. Science of the Total Environment, 2018, 643, 460-467.	8.0	19
57	Tracking narcotics consumption at a Southwestern U.S. university campus by wastewater-based epidemiology. Journal of Hazardous Materials, 2018, 359, 437-444.	12.4	53
58	Critical review of major sources of human exposure to N-nitrosamines. Chemosphere, 2018, 210, 1124-1136.	8.2	85
59	Association of birth outcomes with fetal exposure to parabens, triclosan and triclocarban in an immigrant population in Brooklyn, New York. Journal of Hazardous Materials, 2017, 323, 177-183.	12.4	154
60	Comparative meta-analysis and experimental kinetic investigation of column and batch bottle microcosm treatability studies informing in situ groundwater remedial design. Journal of Hazardous Materials, 2017, 323, 377-385.	12.4	3
61	Occurrence of N-nitrosamines in U.S. freshwater sediments near wastewater treatment plants. Journal of Hazardous Materials, 2017, 323, 109-115.	12.4	17
62	Methyl mercury, but not inorganic mercury, associated with higher blood pressure during pregnancy. Environmental Research, 2017, 154, 247-252.	7.5	32
63	Prenatal exposure to tobacco smoke leads to increased mitochondrial DNA content in umbilical cord serum associated to reduced gestational age. International Journal of Environmental Health Research, 2017, 27, 52-67.	2.7	9
64	Occurrence, temporal variation, and estrogenic burden of five parabens in sewage sludge collected across the United States. Science of the Total Environment, 2017, 593-594, 368-374.	8.0	38
65	Passage of fiproles and imidacloprid from urban pest control uses through wastewater treatment plants in northern California, USA. Environmental Toxicology and Chemistry, 2017, 36, 1473-1482.	4.3	71
66	The Florence Statement on Triclosan and Triclocarban. Environmental Health Perspectives, 2017, 125, 064501.	6.0	144
67	Cord Blood Methylmercury and Fetal Growth Outcomes in Baltimore Newborns: Potential Confounding and Effect Modification by Omega-3 Fatty Acids, Selenium, and Sex. Environmental Health Perspectives, 2016, 124, 373-379.	6.0	36
68	Lessons Learned from Probing for Impacts of Triclosan and Triclocarban on Human Microbiomes. MSphere, 2016, 1, .	2.9	16
69	Mass Balance Model for Sustainable Phosphorus Recovery in a US Wastewater Treatment Plant. Journal of Environmental Quality, 2016, 45, 84-89.	2.0	31
70	Fate of Neonicotinoid Pesticides During Wastewater and Wetland Treatment. ACS Symposium Series, 2016, , 121-131.	0.5	0
71	Mass Balance Assessment for Six Neonicotinoid Insecticides During Conventional Wastewater and Wetland Treatment: Nationwide Reconnaissance in United States Wastewater. Environmental Science & Technology, 2016, 50, 6199-6206.	10.0	115
72	Organic Contaminants in Chinese Sewage Sludge: A Meta-Analysis of the Literature of the Past 30 Years. Environmental Science & Technology, 2016, 50, 5454-5466.	10.0	139

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73	Antimicrobial Chemicals Are Associated with Elevated Antibiotic Resistance Genes in the Indoor Dust Microbiome. Environmental Science & Technology, 2016, 50, 9807-9815.	10.0	125
74	Tissue distribution of organochlorine pesticides in largemouth bass (Micropterus salmoides) from laboratory exposure and a contaminated lake. Environmental Pollution, 2016, 216, 877-883.	7.5	35
75	Active Sampling Device for Determining Pollutants in Surface and Pore Water â€“ the In Situ Sampler for Biphasic Water Monitoring. Scientific Reports, 2016, 6, 21886.	3.3	13
76	Apparatus and method for time-integrated, active sampling of contaminants in fluids demonstrated by monitoring of hexavalent chromium in groundwater. Science of the Total Environment, 2016, 556, 45-52.	8.0	4
77	Bioaccumulation of Legacy and Emerging Organochlorine Contaminants in Lumbriculus variegatus. Archives of Environmental Contamination and Toxicology, 2016, 71, 60-69.	4.1	9
78	Mass Balance of Fipronil and Total Toxicity of Fipronil-Related Compounds in Process Streams during Conventional Wastewater and Wetland Treatment. Environmental Science & Technology, 2016, 50, 1519-1526.	10.0	49
79	Critical review of factors governing data quality of integrative samplers employed in environmental water monitoring. Water Research, 2016, 94, 200-207.	11.3	48
80	Modeling the pH-mediated extraction of ionizable organic contaminants to improve the quality of municipal sewage sludge destined for land application. Science of the Total Environment, 2016, 550, 736-741.	8.0	8
81	Meta-analysis of ionic liquid literature and toxicology. Chemosphere, 2016, 150, 266-274.	8.2	67
82	Comparison of Land, Water, and Energy Requirements of Lettuce Grown Using Hydroponic vs. Conventional Agricultural Methods. International Journal of Environmental Research and Public Health, 2015, 12, 6879-6891.	2.6	330
83	Role of Environmental Contaminants in the Etiology of Alzheimer’s Disease: A Review. Current Alzheimer Research, 2015, 12, 116-146.	1.4	217
84	Effective Strategies for Monitoring and Regulating Chemical Mixtures and Contaminants Sharing Pathways of Toxicity. International Journal of Environmental Research and Public Health, 2015, 12, 10549-10557.	2.6	8
85	Maternal and fetal exposure to parabens in a multiethnic urban U.S. population. Environment International, 2015, 84, 193-200.	10.0	82
86	Indoor air condensate as a novel matrix for monitoring inhalable organic contaminants. Journal of Hazardous Materials, 2015, 288, 89-96.	12.4	7
87	Recent Advances in Proteomics Applied to Elucidate the Role of Environmental Impacts on Human Health and Organismal Function. Journal of Proteome Research, 2015, 14, 1-4.	3.7	1
88	Elucidating the Molecular Basis of Adverse Health Effects from Exposure to Anthropogenic Polyfluorinated Compounds Using Toxicoproteomic Approaches. Journal of Proteome Research, 2015, 14, 51-58.	3.7	15
89	Absolute quantification of norovirus capsid protein in food, water, and soil using synthetic peptides with electrospray and MALDI mass spectrometry. Journal of Hazardous Materials, 2015, 286, 525-532.	12.4	10
90	Characterization, Recovery Opportunities, and Valuation of Metals in Municipal Sludges from U.S. Wastewater Treatment Plants Nationwide. Environmental Science & Technology, 2015, 49, 9479-9488.	10.0	199

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91	A Long-Term Field Study of In Situ Bioremediation in a Fractured Conglomerate Trichloroethene Source Zone. Bioremediation Journal, 2015, 19, 18-31.	2.0	8
92	Prenatal mercury concentration is associated with changes in DNA methylation atTCEANC2in newborns. International Journal of Epidemiology, 2015, 44, 1249-1262.	1.9	60
93	Does the Recent Growth of Aquaculture Create Antibiotic Resistance Threats Different from those Associated with Land Animal Production in Agriculture?. AAPS Journal, 2015, 17, 513-524.	4.4	187
94	Occurrence of Bisphenol A Diglycidyl Ethers (BADGEs) and Novolac Glycidyl Ethers (NOGEs) in Archived Biosolids from the U.S. EPAâ€™s Targeted National Sewage Sludge Survey. Environmental Science & Technology, 2015, 49, 6538-6544.	10.0	24
95	Effect of Nanoscale Zero-Valent Iron Treatment on Biological Reductive Dechlorination: A Review of Current Understanding and Research Needs. Critical Reviews in Environmental Science and Technology, 2015, 45, 1148-1175.	12.8	48
96	Occurrence and estrogenic potency of eight bisphenol analogs in sewage sludge from the U.S. EPA targeted national sewage sludge survey. Journal of Hazardous Materials, 2015, 299, 733-739.	12.4	171
97	Use of amniotic fluid for determining pregnancies at risk of preterm birth and for studying diseases of potential environmental etiology. Environmental Research, 2015, 136, 470-481.	7.5	12
98	Epistemology of contaminants of emerging concern and literature meta-analysis. Journal of Hazardous Materials, 2015, 282, 2-9.	12.4	73
99	Reconnaissance of 47 antibiotics and associated microbial risks in seafood sold in the United States. Journal of Hazardous Materials, 2015, 282, 10-17.	12.4	112
100	United States National Sewage Sludge Repository at Arizona State Universityâ€”a new resource and research tool for environmental scientists, engineers, and epidemiologists. Environmental Science and Pollution Research, 2015, 22, 1577-1586.	5.3	77
101	Evaluation of Glycol Ether as an Alternative to Perchloroethylene in Dry Cleaning. Toxics, 2014, 2, 115-133.	3.7	5
102	Association of selenium and copper with lipids in umbilical cord blood. Journal of Developmental Origins of Health and Disease, 2014, 5, 281-287.	1.4	15
103	Loss and in situ production of perfluoroalkyl chemicals in outdoor biosolidsâ€“soil mesocosms. Environmental Research, 2014, 132, 321-327.	7.5	23
104	Response to Comment on â€œOn the Need and Speed of Regulating Triclosan and Triclocarban in the United Statesâ€. Environmental Science & Technology, 2014, 48, 11023-11024.	10.0	8
105	Detection and Occurrence of N-Nitrosamines in Archived Biosolids from the Targeted National Sewage Sludge Survey of the U.S. Environmental Protection Agency. Environmental Science & Technology, 2014, 48, 5085-5092.	10.0	33
106	Human Fetal Exposure to Triclosan and Triclocarban in an Urban Population from Brooklyn, New York. Environmental Science & Technology, 2014, 48, 8831-8838.	10.0	151
107	Contribution of Polybrominated Dibenzo-p-dioxins and Dibenzofurans (PBDD/Fs) to the Toxic Equivalency of Dioxin-like Compounds in Archived Biosolids from the U.S. EPAâ€™s 2001 National Sewage Sludge Survey. Environmental Science & Technology, 2014, 48, 10843-10849.	10.0	40
108	On the Need and Speed of Regulating Triclosan and Triclocarban in the United States. Environmental Science & Technology, 2014, 48, 3603-3611.	10.0	251

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109	Brominated flame retardants in U.S. biosolids from the EPA national sewage sludge survey and chemical persistence in outdoor soil mesocosms. Water Research, 2014, 55, 133-142.	11.3	58
110	Simultaneous Determination of Chlorinated Ethenes and Ethene in Groundwater Using Headspace Solid-Phase Microextraction with Gas Chromatography. Journal of Chromatographic Science, 2014, 52, 137-142.	1.4	3
111	Transformation Products and Human Metabolites of Triclocarban and Triclosan in Sewage Sludge Across the United States. Environmental Science & Technology, 2014, 48, 7881-7890.	10.0	85
112	Wastewater Treatment Plants as Chemical Observatories to Forecast Ecological and Human Health Risks of Manmade Chemicals. Scientific Reports, 2014, 4, 3731.	3.3	90
113	Extraction and Quantification of Carbon Nanotubes in Biological Matrices with Application to Rat Lung Tissue. ACS Nano, 2013, 7, 8849-8856.	14.6	58
114	Responses of Nannochloropsis oceanica IMET1 to Long-Term Nitrogen Starvation and Recovery Â Â Â. Plant Physiology, 2013, 162, 1110-1126.	4.8	149
115	National inventory of perfluoroalkyl substances in archived U.S. biosolids from the 2001 EPA National Sewage Sludge Survey. Journal of Hazardous Materials, 2013, 252-253, 413-418.	12.4	129
116	National inventory of alkylphenol ethoxylate compounds in U.S. sewage sludges and chemical fate in outdoor soil mesocosms. Environmental Pollution, 2013, 174, 189-193.	7.5	46
117	Plastics and environmental health: the road ahead. Reviews on Environmental Health, 2013, 28, 1-8.	2.4	310
118	Pharmaceuticals in the Built and Natural Water Environment of the United States. Water (Switzerland), 2013, 5, 1346-1365.	2.7	42
119	Examining the Differences in Format and Characteristics of Zoonotic Virus Surveillance Data on State Agency Websites. Journal of Medical Internet Research, 2013, 15, e90.	4.3	1
120	Prioritization of Biomarker Targets in Human Umbilical Cord Blood: Identification of Proteins in Infant Blood Serving as Validated Biomarkers in Adults. Environmental Health Perspectives, 2012, 120, 764-769.	6.0	11
121	Selenium and maternal blood pressure during childbirth. Journal of Exposure Science and Environmental Epidemiology, 2012, 22, 191-197.	3.9	7
122	Proteomic Profiling of the Dioxin-Degrading BacteriumSphingomonas wittichiiRW1. Journal of Biomedicine and Biotechnology, 2012, 2012, 1-9.	3.0	22
123	Quantitative PCR for Tracking the Megaplasmid-Borne Biodegradation Potential of a Model Sphingomonad. Applied and Environmental Microbiology, 2012, 78, 4493-4496.	3.1	7
124	Beyond nC60: strategies for identification of transformation products of fullerene oxidation in aquatic and biological samples. Analytical and Bioanalytical Chemistry, 2012, 404, 2583-2595.	3.7	31
125	Validation of mega composite sampling and nationwide mass inventories for 26 previously unmonitored contaminants in archived biosolids from the U.S National Biosolids Repository. Water Research, 2012, 46, 4814-4824.	11.3	35
126	Predicting the concentration range of unmonitored chemicals in wastewater-dominated streams and in run-off from biosolids-amended soils. Science of the Total Environment, 2012, 440, 314-320.	8.0	19

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127	Can Stress Enhance Phytoremediation of Polychlorinated Biphenyls?. Environmental Engineering Science, 2012, 29, 1047-1052.	1.6	4
128	Feather Meal: A Previously Unrecognized Route for Reentry into the Food Supply of Multiple Pharmaceuticals and Personal Care Products (PPCPs). Environmental Science & Technology, 2012, 46, 3795-3802.	10.0	85
129	Response to Comment on â€œFeather Meal: A Previously Unrecognized Route for Reentry into the Food Supply of Multiple Pharmaceuticals and Personal Care Products (PPCPs)â€• Environmental Science & Technology, 2012, 46, 13557-13558.	10.0	0
130	Response to Comment on â€œFeather Meal: A Previously Unrecognized Route for Reentry into the Food Supply of Multiple Pharmaceuticals and Personal Care Products (PPCPs)â€• Environmental Science & Technology, 2012, 46, 13026-13027.	10.0	0
131	Analysis of gold nanoparticle mixtures: a comparison of hydrodynamic chromatography (HDC) and asymmetrical flow field-flow fractionation (AF4) coupled to ICP-MS. Journal of Analytical Atomic Spectrometry, 2012, 27, 1532.	3.0	111
132	Occurrence of triclosan, triclocarban, and its lesser chlorinated congeners in Minnesota freshwater sediments collected near wastewater treatment plants. Journal of Hazardous Materials, 2012, 229-230, 29-35.	12.4	91
133	Role of bicarbonate as a pH buffer and electron sink in microbial dechlorination of chloroethenes. Microbial Cell Factories, 2012, 11, 128.	4.0	44
134	Analytical methods for the detection of viruses in food by example of CCL-3 bioagents. Analytical and Bioanalytical Chemistry, 2012, 404, 2527-2537.	3.7	7
135	Managing methanogens and homoacetogens to promote reductive dechlorination of trichloroethene with direct delivery of H₂ in a membrane biofilm reactor. Biotechnology and Bioengineering, 2012, 109, 2200-2210.	3.3	49
136	Using electron balances and molecular techniques to assess trichoroetheneâ€•induced shifts to a dechlorinating microbial community. Biotechnology and Bioengineering, 2012, 109, 2230-2239.	3.3	27
137	Fetal Exposure to Chlordane and Permethrin Mixtures in Relation to Inflammatory Cytokines and Birth Outcomes. Environmental Science & Technology, 2011, 45, 1680-1687.	10.0	40
138	On the Need for a National (U.S.) Research Program to Elucidate the Potential Risks to Human Health and the Environment Posed by Contaminants of Emerging Concern. Environmental Science & Technology, 2011, 45, 3829-3830.	10.0	28
139	Characterization and Liquid Chromatography-MS/MS Based Quantification of Hydroxylated Fullerenes. Analytical Chemistry, 2011, 83, 1777-1783.	6.5	46
140	Body burdens of mercury, lead, selenium and copper among Baltimore newborns. Environmental Research, 2011, 111, 411-417.	7.5	45
141	Toward Identifying the Next Generation of Superfund and Hazardous Waste Site Contaminants. Environmental Health Perspectives, 2011, 119, 6-10.	6.0	24
142	Evaluation of extraction methods for quantification of aqueous fullerenes in urine. Analytical and Bioanalytical Chemistry, 2011, 399, 1631-1639.	3.7	23
143	Development and characterization of DehaloR^2, a novel anaerobic microbial consortium performing rapid dechlorination of TCE to ethene. Applied Microbiology and Biotechnology, 2011, 92, 1063-1071.	3.6	50
144	Persistence of triclocarban and triclosan in soils after land application of biosolids and bioaccumulation in Eisenia foetida. Environmental Toxicology and Chemistry, 2011, 30, 556-563.	4.3	69

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145	Strategies for quantifying C60 fullerenes in environmental and biological samples and implications for studies in environmental health and ecotoxicology. TrAC - Trends in Analytical Chemistry, 2011, 30, 44-57.	11.4	44
146	Low-Level Lead Exposure and Elevations in Blood Pressure during Pregnancy. Environmental Health Perspectives, 2011, 119, 664-669.	6.0	34
147	Challenges of Detecting Bioterrorism Agents in Complex Matrices. NATO Science for Peace and Security Series A: Chemistry and Biology, 2011, , 149-162.	0.5	1
148	Pharmaceuticals and Personal Care Products in U.S. Biosolids. ACS Symposium Series, 2010, , 199-211.	0.5	1
149	Introduction to Contaminants of Emerging Concern in the Environment: Ecological and Human Health Considerations. ACS Symposium Series, 2010, , 1-6.	0.5	3
150	Fluorinated Chemicals and the Impacts of Anthropogenic Use. ACS Symposium Series, 2010, , 539-560.	0.5	11
151	Impact of Point-of-Use Water Softening on Sustainable Water Reclamation: Case Study of the Greater Phoenix Area. ACS Symposium Series, 2010, , 497-518.	0.5	2
152	Assessment of the Contribution of Triclosan to Dioxin Emissions from Sludge Incineration in the U.S. Using a Mathematical Model. ACS Symposium Series, 2010, , 469-481.	0.5	2
153	Concentrations of Hydrophobic Organic Pollutants in U.S. Wastewater Treatment Plants and in Receiving Surface Waters Modeled from EPA Biosolids Monitoring Data. ACS Symposium Series, 2010, , 421-436.	0.5	0
154	Potential Implications of Amending Agricultural Soils with Biosolids. ACS Symposium Series, 2010, , 319-336.	0.5	1
155	Empirical Models for Predicting the Occurrence and Concentration of Organic Chemicals in Biosolids. ACS Symposium Series, 2010, , 385-395.	0.5	1
156	Identification of wastewater bacteria involved in the degradation of triclocarban and its non-chlorinated congener. Journal of Hazardous Materials, 2010, 183, 766-772.	12.4	39
157	Towards proteome standards: The use of absolute quantitation in high-throughput biomarker discovery. Journal of Proteomics, 2010, 73, 1641-1646.	2.4	20
158	Identification of Putative Biomarkers for Toluene-DegradingBurkholderiaand Pseudomonads by Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry and Peptide Mass Fingerprinting. Bioscience, Biotechnology and Biochemistry, 2010, 74, 1470-1472.	1.3	7
159	Genome Sequence of the Dioxin-Mineralizing Bacterium Sphingomonas wittichii RW1. Journal of Bacteriology, 2010, 192, 6101-6102.	2.2	93
160	Searching for a â€œHiddenâ€•Prophage in a Marine Bacterium. Applied and Environmental Microbiology, 2010, 76, 589-595.	3.1	28
161	Global DNA hypomethylation is associated with in utero exposure to cotinine and perfluorinated alkyl compounds. Epigenetics, 2010, 5, 539-546.	2.7	172
162	Distribution and Determinants of Pesticide Mixtures in Cord Serum Using Principal Component Analysis. Environmental Science & Technology, 2010, 44, 5641-5648.	10.0	37

#	Article	IF	Citations
163	Comment on â€œthe removal of pharmaceuticals, personal care products, endocrine disruptors and illicit drugs during wastewater treatment and its impact on the quality of receiving watersâ€•by Barbara Kasprzyk-Hordern, Richard M. Dinsdale, and Alan J. Guwy. Water Research, 2010, 44, 2685-2687.	11.3	9
164	Pharmaceuticals and personal care products in archived U.S. biosolids from the 2001 EPA national sewage sludge survey. Water Research, 2010, 44, 658-668.	11.3	447
165	Occurrence and loss over three years of 72 pharmaceuticals and personal care products from biosolidsâ€“soil mixtures in outdoor mesocosms. Water Research, 2010, 44, 6011-6020.	11.3	291
166	Plastics and Health Risks. Annual Review of Public Health, 2010, 31, 179-194.	17.4	616
167	Fate of Caffeine in the Environment and Ecotoxicological Considerations. ACS Symposium Series, 2010, , 257-273.	0.5	25
168	Effect of sample filtration on the quality of monitoring data reported for organic compounds during wastewater treatment. Journal of Environmental Monitoring, 2010, 12, 478-483.	2.1	18
169	In silico screening for unmonitored, potentially problematic high production volume (HPV) chemicals prone to sequestration in biosolids. Journal of Environmental Monitoring, 2010, 12, 1840.	2.1	7
170	Global Screening of Human Cord Blood Proteomes for Biomarkers of Toxic Exposure and Effect. Environmental Health Perspectives, 2009, 117, 832-838.	6.0	25
171	Environmental Exposure of Aquatic and Terrestrial Biota to Triclosan and Triclocarban¹. Journal of the American Water Resources Association, 2009, 45, 4-13.	2.4	263
172	BIOACCUMULATION OF TRICLOCARBAN IN LUMBRICULUS VARIEGATUS. Environmental Toxicology and Chemistry, 2009, 28, 2580.	4.3	60
173	Fate of organohalogens in US wastewater treatment plants and estimated chemical releases to soils nationwide from biosolids recycling. Journal of Environmental Monitoring, 2009, 11, 2207.	2.1	70
174	Occurrence, Fate, and Impact of Triclosan and Other Antimicrobials to Wastewater Treatment Utilities. Proceedings of the Water Environment Federation, 2009, 2009, 511-517.	0.0	1
175	Empirical model for predicting concentrations of refractory hydrophobic organic compounds in digested sludge from municipal wastewater treatment plants. Environmental Chemistry, 2009, 6, 544.	1.5	8
176	Protein modifications related to phage resistance in a marine roseobacter. Aquatic Microbial Ecology, 2009, 55, 203-207.	1.8	7
177	Pre-genomic, genomic and post-genomic study of microbial communities involved in bioenergy. Nature Reviews Microbiology, 2008, 6, 604-612.	28.6	107
178	Meta-Analysis of Mass Balances Examining Chemical Fate during Wastewater Treatment. Environmental Science & Technology, 2008, 42, 6324-6332.	10.0	138
179	Fate of Triclosan and Evidence for Reductive Dechlorination of Triclocarban in Estuarine Sediments. Environmental Science & Technology, 2008, 42, 4570-4576.	10.0	203
180	Ab Initio and in Situ Comparison of Caffeine, Triclosan, and Triclocarban as Indicators of Sewage-Derived Microbes in Surface Waters. Environmental Science & Technology, 2008, 42, 3335-3340.	10.0	90

#	Article	IF	Citations
181	Polycyclic Aromatic Hydrocarbons in Human Milk of Nonsmoking U.S. Women. Environmental Science & Technology, 2008, 42, 2663-2667.	10.0	43
182	Birth Delivery Mode Modifies the Associations between Prenatal Polychlorinated Biphenyl (PCB) and Polybrominated Diphenyl Ether (PBDE) and Neonatal Thyroid Hormone Levels. Environmental Health Perspectives, 2008, 116, 1376-1382.	6.0	182
183	Perfluoroalkane Acids: Apelberg et al. Respond. Environmental Health Perspectives, 2008, 116, .	6.0	0
184	Detection of triclocarban and two co-contaminating chlorocarbanilides in US aquatic environments using isotope dilution liquid chromatography tandem mass spectrometry. Environmental Research, 2007, 103, 21-29.	7.5	120
185	Mass balance assessment of triclosan removal during conventional sewage treatment. Chemosphere, 2007, 66, 362-369.	8.2	291
186	Volatile Organic Compounds in Human Milk:Â Methods and Measurements. Environmental Science & Technology, 2007, 41, 1662-1667.	10.0	33
187	Determinants of Fetal Exposure to Polyfluoroalkyl Compounds in Baltimore, Maryland. Environmental Science & Technology, 2007, 41, 3891-3897.	10.0	188
188	Cord Serum Concentrations of Perfluorooctane Sulfonate (PFOS) and Perfluorooctanoate (PFOA) in Relation to Weight and Size at Birth. Environmental Health Perspectives, 2007, 115, 1670-1676.	6.0	519
189	Determinants of Prenatal Exposure to Polychlorinated Biphenyls (PCBs) and Polybrominated Diphenyl Ethers (PBDEs) in an Urban Population. Environmental Health Perspectives, 2007, 115, 1794-1800.	6.0	119
190	Bacterial community analysis of shallow groundwater undergoing sequential anaerobic and aerobic chloroethene biotransformation. FEMS Microbiology Ecology, 2007, 60, 299-311.	2.7	22
191	Prenatal PCB and PBDE Exposure and Thyroid Hormones. Epidemiology, 2007, 18, S159.	2.7	0
192	Partitioning, Persistence, and Accumulation in Digested Sludge of the Topical Antiseptic Triclocarban during Wastewater Treatment. Environmental Science & Technology, 2006, 40, 3634-3639.	10.0	240
193	Comment on â€œAccumulation of Contaminants in Fish from Wastewater Treatment Wetlandsâ€. Environmental Science & Technology, 2006, 40, 3437-3437.	10.0	4
194	Sorption and bioreduction of hexavalent uranium at a military facility by the Chesapeake Bay. Environmental Pollution, 2006, 142, 132-142.	7.5	36
195	Comment on â€œBiological removal of polychlorinated dibenzo-p-dioxins from incinerator fly ash by Sphingomonas wittichii RW1â€. Water Research, 2006, 40, 1918-1920.	11.3	2
196	Urinary biomarkers of 1,3-butadiene in environmental settings using liquid chromatography isotope dilution tandem mass spectrometry. Chemico-Biological Interactions, 2006, 160, 70-79.	4.0	31
197	Detection of Norovirus Capsid Protein in Authentic Standards and in Stool Extracts by Matrix-Assisted Laser Desorption Ionization and Nanospray Mass Spectrometry. Applied and Environmental Microbiology, 2006, 72, 2749-2755.	3.1	32
198	Identification and Phenotypic Characterization of Sphingomonas wittichii Strain RW1 by Peptide Mass Fingerprinting Using Matrix-Assisted Laser Desorption Ionization-Time of Flight Mass Spectrometry. Applied and Environmental Microbiology, 2005, 71, 2442-2451.	3.1	31

#	Article	IF	Citations
199	Response to Comment On â€œCo-Occurrence of Triclocarban and Triclosan in U.S. Water Resourcesâ€• Environmental Science & Technology, 2005, 39, 6335-6336.	10.0	9
200	Co-Occurrence of Triclocarban and Triclosan in U.S. Water Resources. Environmental Science & Technology, 2005, 39, 1420-1426.	10.0	544
201	REDUCTION OF INFECTIVITY OF SCHISTOSOME CERCARIAE BY APPLICATION OF CERCARICIDAL OIL TO WATER. American Journal of Tropical Medicine and Hygiene, 2005, 73, 956-961.	1.4	4
202	Reduction of infectivity of schistosome cercariae by application of cercaricidal oil to water. American Journal of Tropical Medicine and Hygiene, 2005, 73, 956-61.	1.4	2
203	Analysis of Triclocarban in Aquatic Samples by Liquid Chromatography Electrospray Ionization Mass Spectrometry. Environmental Science & Technology, 2004, 38, 4849-4855.	10.0	108
204	Intrinsic remediation of trichloroethene driven by tetraalkoxysilanes as co-contaminants: Results of microcosm and field studies. Remediation, 2003, 13, 7-25.	2.4	1
205	Geochemistry and microbial diversity of a trichloroethene-contaminated Superfund site undergoing intrinsic in situ reductive dechlorination. FEMS Microbiology Ecology, 2002, 40, 123-134.	2.7	44
206	Geochemistry and microbial diversity of a trichloroethene-contaminated Superfund site undergoing intrinsic in situ reductive dechlorination. FEMS Microbiology Ecology, 2002, 40, 123-134.	2.7	3
207	Evaluation of Standard Methods for the Analysis of Methyltert-Butyl Ether and Related Oxygenates in Gasoline-Contaminated Groundwater. Environmental Science & Technology, 2001, 35, 1469-1474.	10.0	53
208	Aerobic Biodegradation of Methyl tert -Butyl Ether by Aquifer Bacteria from Leaking Underground Storage Tank Sites. Applied and Environmental Microbiology, 2001, 67, 5824-5829.	3.1	77
209	Transformation of mono- and dichlorinated phenoxybenzoates by phenoxybenzoate-dioxygenase inPseudomonas pseudoalcaligenes POB310 and a modified diarylether-metabolizing bacterium. Biotechnology and Bioengineering, 2000, 69, 107-112.	3.3	17
210	Analysis of Perchlorate in Groundwater by Electrospray Ionization Mass Spectrometry/Mass Spectrometry. Environmental Science & Technology, 2000, 34, 1862-1864.	10.0	76
211	Transformation of mono- and dichlorinated phenoxybenzoates by phenoxybenzoate-dioxygenase in pseudomonas pseudoalcaligenes POB310 and a modified diarylether-metabolizing bacterium. Biotechnology and Bioengineering, 2000, 69, 107-12.	3.3	6
212	Transformation of monoâ€•and dichlorinated phenoxybenzoates by phenoxybenzoateâ€dioxygenase in Pseudomonas pseudoalcaligenes POB310 and a modified diaryletherâ€•metabolizing bacterium. Biotechnology and Bioengineering, 2000, 69, 107-112.	3.3	0
213	Abiotic and Biological Transformation of Tetraalkoxysilanes and Trichloroethene/cis-1,2-Dichloroethene Cometabolism Driven by Tetrabutoxysilane-Degrading Microorganisms. Environmental Science & Technology, 1999, 33, 1077-1085.	10.0	22
214	Removal of Dibenzofuran, Dibenzo- p -Dioxin, and 2-Chlorodibenzo- p -Dioxin from Soils Inoculated with Sphingomonas sp. Strain RW1. Applied and Environmental Microbiology, 1999, 65, 2246-2249.	3.1	64
215	Degradation of 3-Phenoxybenzoic Acid in Soil by Pseudomonas pseudoalcaligenes POB310(pPOB) and Two Modified Pseudomonas Strains. Applied and Environmental Microbiology, 1999, 65, 3354-3359.	3.1	70
216	Biodegradation of Dioxin-Related Compounds: A Review. Bioremediation Journal, 1997, 1, 11-25.	2.0	39